



109 Calle Propano # B, Paso Robles, CA 93446  
Phone (888) 420-7770 Fax (866) 812-9589

## **Safety Data Sheet**     **Humboldt Nutrients Micro 5-0-1**

### **1. Product and company identification:**

Product name: Humboldt Nutrients Micro 5-0-1  
Chemical family: Nitrates, and inorganic minerals in aqueous solution.  
Material uses: Hydroponic plant nutrient  
Supplier/Manufacturer: Humboldt Nutrients  
109 Calle Propano #B, Paso Robles, CA 93446  
Tel: (888) 420-7770  
Fax: (866) 812-9589  
In case of emergency: CHEMTREC, U.S.: 1-800-424-9300  
International: +1-703-527-3887

### **2. Hazards identification:**

#### Emergency overview

Physical state: Liquid  
Color: Reddish  
Odor: None  
Precautionary measures: Store in a cool dry area away from children, food, and feed products. Protect from freezing. Avoid contamination and spills. Avoid contact with eyes, skin, and clothing. Avoid inhalation. Wash hands thoroughly before eating, or smoking.  
Routes of entry: Skin, eyes, inhalation, ingestion.

#### Potential acute health effects

Inhalation: Minor irritation to the respiratory system.  
Ingestion: May cause abdominal pain, nausea, vomiting, diarrhea  
Eyes: Minor irritation to eyes  
Skin: Minor irritation to skin

#### Potential chronic health effects

Chronic effects: No known significant effects  
Carcinogenicity: No known significant effects  
Mutagenicity: No known significant effects  
Teratogenicity: No known significant effects  
Developmental effects: No known significant effects  
Fertility effects: No known significant effects

#### Over-exposure signs/symptoms

Inhalation: Respiratory tract irritation, coughing  
Ingestion: No specific data  
Skin: Irritation, redness  
Eyes: Pain or irritation, watering, redness





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Large Spill: use sawdust as it could turn into a fire hazard when dry. Dispose in proper container.  
Stop leak if possible and/or clear containers from spill area. Prevent entry into waterways, runoff, sewers, or basements. Contain and collect spillage with absorbent, non-combustible material i.e. sand, earth, vermiculite or diatomaceous earth and place in proper container for disposal. Do not use sawdust as it could turn into a fire hazard when dry.

### **7. Handling and storage**

Handling: Eating, drinking, and smoking should be prohibited in areas where products or materials are handled, stored, or processed. Employees should wash hands and face after handling and prior to eating, drinking or smoking. Do not get in eyes. Do not inhale vapor or mist. Do not ingest. Avoid direct contact with skin and clothing. Keep in the original container or an approved alternative made from a compatible material. Keep containers sealed and upright when not in use.

Storage: Store in a cool, dry area away from children, food, and feed products. Keep out of direct sunlight. Protect from freezing. Avoid contamination and spills. Keep containers tightly sealed and upright to prevent leaking or spills. All product and materials must be stored in well labeled containers. Ideal temperature storage conditions are above 40°F and below 80°F.

### **8. Exposure controls/personal protection**

Recommended monitoring: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits

Hygiene measures: Wash hands, forearms and face thoroughly after handling materials and/or products prior to eating, smoking, using the bathroom and at the end of the working period. Appropriate procedures should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Be sure that eyewash stations and safety showers are operational and close to the workstation location.



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### Personal protection

**Respiratory:** Avoid prolonged exposure to vapors, mist, fumes. If necessary, wear a properly-fitted respirator. Respirator selection must be based on expected exposure levels, the hazard of the product, and the working capabilities of the chosen respirator.

**Hands:** Gloves should be worn when handling any chemical or product substances if risk assessment deems that it is necessary. Otherwise, thoroughly washing hands after handling containers or substances is necessary.

**Eyes:** Safety eyewear should be worn when risk assessment deems necessary to avoid contact by liquid product splash, mist, or product dust.

### **9. Physical & chemical properties**

Physical state:                      Liquid  
Color:                                      Reddish  
Odor:                                      None  
pH:                                        5.0  
Boiling point:                        100°C (212°F)  
Evaporation rate:                    Not detectable  
Vapor density (Air=1):              N/A  
Specific gravity:                      1.15  
Water solubility:                      Complete, Miscible

### **10. Stability & reactivity**

Stability:                                Stable  
Incompatibility:                        N/A  
Conditions to avoid:                   N/A  
Hazardous polymerization:        Will not occur  
Hazardous decomposition products: Not known

### **11. Toxicological information**

Route of entry:                        Eyes, ingestion, inhalation, skin.  
Effects of acute exposure:            Non-toxic  
Chronic toxicity:                        No data available  
Reproductive toxicity:                None



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Carcinogenicity:	N/A
<u>Irritation/Corrosion</u>	
Skin:	No data available
Eyes:	No data available
Respiratory:	No data available
<u>Sensitizer</u>	
Skin:	No data available
Respiratory:	No data available
<u>Carcinogenicity</u>	
Mutagenicity:	No data available
Teratogenicity:	No data available

### **12. Ecological information**

<u>Toxicity:</u>	No data available
<u>Persistence and degradability:</u>	No data available
<u>Bioaccumulative potential:</u>	No data available
<u>Mobility in the soil:</u>	No data available
<u>Other adverse effects:</u>	No data available

### **13. Disposal information**

<u>Disposal:</u>	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers
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### **14. Transport information**

<u>UN number:</u>	No data, not regulated
<u>UN proper shipping name:</u>	None



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<u>Transport hazard class(es):</u>	None
<u>Packing group, if applicable:</u>	None
<u>Environmental hazards:</u>	No
<u>Transport in bulk:</u>	None
<u>Special precautions:</u>	Transport on consumer/user's premises: transport in closed containers, upright, and secured to prevent possible disruption. Transporter should be informed on protocol in case of accident or spill.

### **15. Regulatory information**

<u>U.S. Federal Regulations:</u>	TSCA8(a) CDR Exempt/Partial exemption: Not determined United States Inventory (TSCA 8b): Not determined Clean Water Act (CWA) 311: None
<u>Clean Air Act Section 112: (b) Hazardous Air Pollutants (HAPS)</u>	Not Listed
<u>Clean Air Act Section 602: Class I Substances</u>	Not Listed
<u>Clean Air Act Section 602: Class II Substances</u>	Not Listed
<u>DEA List I Chemicals: (Precursor Chemicals)</u>	Not Listed
<u>DEA List II Chemicals: (Essential Chemicals)</u>	Not Listed
<u>SARA 302/304 Composition/Information on Ingredients:</u>	None
<u>SARA304 RQ:</u>	Not Applicable
<u>SARA 311/312 Classification:</u>	Not Applicable



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### SARA 313

No data available

### State Regulations

Massachusetts:	None
New York:	None
New Jersey:	None
Pennsylvania:	None
California Prop 65:	None

### **16. Other information**

Classification	Justification
Not Classified.	

### History:

Date of issue mm/dd/yyyy: 05/26/2015  
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Prepared by: Humboldt Nutrients, Compliance

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